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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/052,311	01/17/2002	Krishnasamy Anandakumar	04939P017	8403
5073	7590	10/18/2005	EXAMINER	
BAKER BOTTS L.L.P.			LEE, CHI HO A	
2001 ROSS AVENUE			ART UNIT	
SUITE 600			PAPER NUMBER	
DALLAS, TX 75201-2980			2663	

DATE MAILED: 10/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/052,311

Applicant(s)

ANANDAKUMAR ET AL.

Examiner

Andrew Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15-21 is/are allowed.
- 6) ☒ Claim(s) 1-4, 6, 8, 10 and 11 is/are rejected.
- 7) ☒ Claim(s) 5, 7, 9 and 12-14 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 01/17/02; 5/21/03.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 4, 6, 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Cooklev U.S. Patent Number 6,574,218.

Re Claim 1, fig. 5 teaches a RAC that includes a Packet Processor 704 providing a lost packet indicator to Error Concealment 706 or Missing packet Reconstructor 710 (receiving an indication) for receiving compressed information from 701 whereby the 704 also determine the status of the missing packet as either unimportant or important (determining a status) wherein when the status is important, 710 generates the missing packet (a sample packet) in accordance to fig. 6 to replace the missing packet and stores the reconstructed compressed packet in to the Bitstream buffer (a first memory buffer) (See col. 9, lines 45 +).

Re Claims 4, 6, 8, refer to Claim 1, since the received packets are sequence, 704 can determine whether the missing packet is current or previous or immediately preceded.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2, 3, 10, 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cooklev U.S. Patent Number 6,574,218.

Re Claims 2, 3, Cooklev fails to explicitly teach "... storing in the first memory buffer in u-law format or a-law format". However, u-law or a-law log PCM is part of the CCITT G.711 recommendation. Hence, one skilled in the art would have been motivated to use the recommendation of standard compliancy.

Re Claim 10, fig. 5 teaches a RAC that includes a Packet Processor 704 (means for decoding; means for determining status; means for updating) providing a lost packet indicator to Error Concealment 706 or Missing packet Reconstructor 710 (means for receiving) for receiving compressed information from 701 (means for compressing; means for generating) whereby the 704 also determine the status of the missing packet as either unimportant or important wherein when the status is important, 710 generates the missing packet (a sample packet) in accordance to fig. 6 to replace the missing packet and stores the reconstructed compressed packet in to the Bitstream buffer (means for storing) (See col. 9, lines 45 +).

Cooklev fails to explicitly teach that the data stream 701 is a CVSD data stream. However, one skilled in art recognizes that the CVSD provides relatively less

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compression but retains a measure of redundancy and provides a CVSD compressed signal that is more robust against interference. Hence, one skilled in the art would have been motivated to modify the compression used in Cooklev with CVSD to be robust against interference.

Re Claim 11, refer to Claim 10, since the received packets are sequence, 704 can determine whether the missing packet is current or previous or immediately preceded.

Allowable Subject Matter

5. Claims 5, 7, 9, 12-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

In combination with Claims (1, 4, 5) & (10-12), prior art fails to teach the storing a sign value to be used to estimate a pitch value in a second buffer.

7. Claims 15-21 are allowed.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AI

10/14/05

A handwritten signature in black ink, consisting of a stylized 'A' followed by a checkmark-like flourish.